

-SIGNALING LINE CIRCUIT 120 VAC W/GRND. POWER SUPPLY— -NOTIFICATION APPLIANCE CIRCUITS 120 VAC POWER FROM DEDICATED CIRCUIT

1 ) THE TYPE OF DEVICE AT THIS LOCATION WILL DEPEND ON THE MANUFACTURER'S EQUIPMENT. NOTHING IN THE DESIGN DOCUMENTS IS INTENDED, NOR SHOULD IT BE

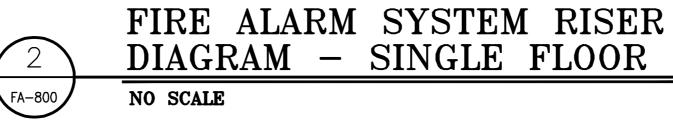
( 2 ) THE DEVICES SHOWN ON THE RISER DIAGRAM ARE REPRESENTATIVE OF THOSE TO BE PROVIDED THROUGHOUT THE BUILDING. THEY ARE NOT INTENDED TO SHOW TOTAL QUANTITIES OF DEVICES. THE CONTRACTOR SHALL REFER TO THE FLOOR PLANS FOR THIS INFORMATION.

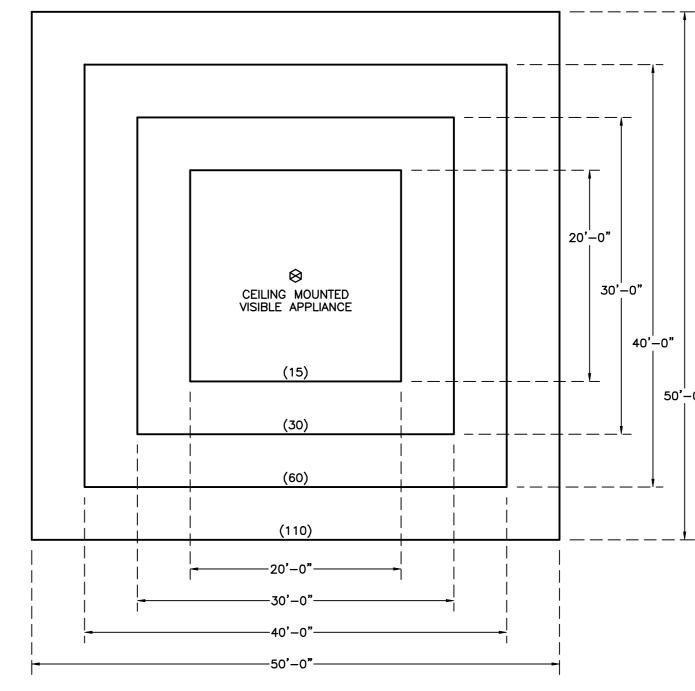
( 3 ) THE SIGNALING LINE CIRCUIT MAY BE T-TAPPED, PROVIDED THE LOCATION OF THE T-TAP IS CLEARLY SHOWN ON THE SHOP DRAWINGS, IS PERFORMED IN A JUNCTION

4 ADDRESSABLE INTERFACE MODULES ARE REQUIRED FOR NON-ADDRESSABLE INITIATING AND INDICATING DEVICES FOR CONNECTION TO THE FIRE ALARM SYSTEM.

7 THE LOCATION AND TYPE OF INTERFACE DEVICE FOR CONNECTION TO THE MONITORING SERVICE MUST BE COORDINATED WITH CONTRACTING SERVICE COMPANY.

(8) PROVIDE A SMOKE DETECTOR ABOVE ALL CONTROL PANELS (TYPICAL).

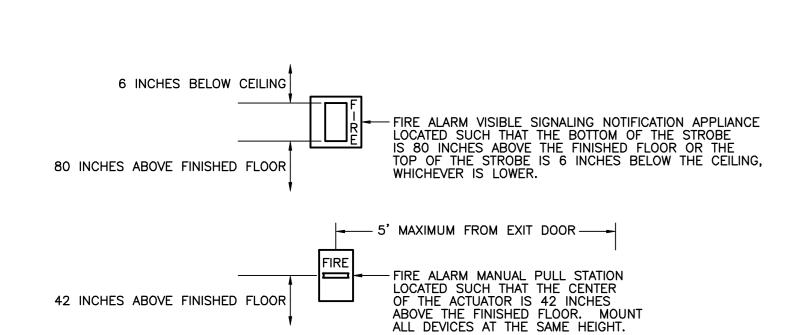




1. CANDELA RATINGS SHOWN ABOVE ARE FOR 10' OR LESS CEILINGS. SEE CHART BELOW FOR HIGHER CEILINGS.

ROOM SIZE	≤ 10' CEILINGS	≤ 20' CEILINGS	≤ 30' CEILINGS
20 x 20	15 cd	30 cd	60 cd
30 x 30	30 cd	60 cd	75 cd
40 x 40	60 cd	110 cd	115 cd
50 x 50	110 cd	115 cd	177 cd

CEILING MOUNTED VISIBLE APPLIANCE SPACING TEMPLATE NO SCALE

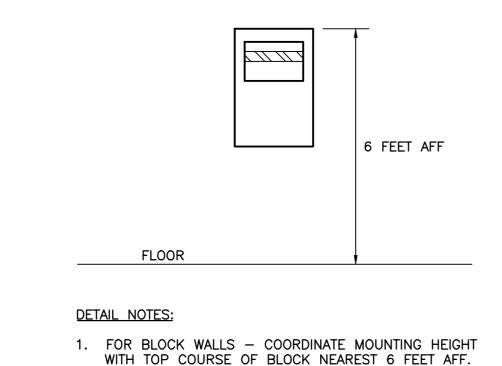


FIRE ALARM SYSTEM MATRIX OF OPERATION

**DETAIL NOTES:** 1. WHERE FLOOR PLAN INDICATES THAT NOTIFICATION APPLIANCE AND MANUAL PULL STATION ARE LOCATED IN THE SAME AREA, THEY SHALL BE MOUNTED IN THE SAME VERTICAL LINE.

NO SCALE

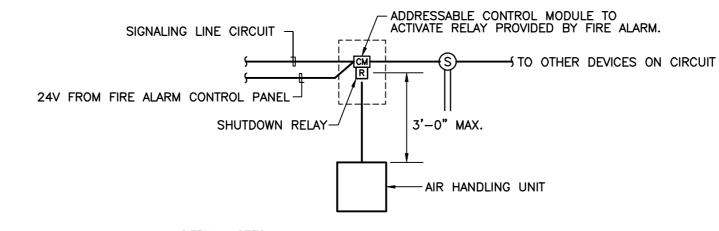
MANUAL PULL STATION AND STROBE MOUNTING DETAIL NO SCALE



CEILING

FIRE ALARM PANEL/ANNUNCIATOR





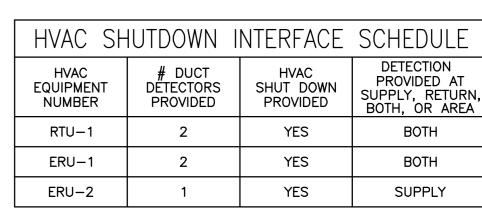
1. ACTIVATION OF DUCT DETECTOR SHALL CAUSE SHUT DOWN RELAY

TO BE ACTIVATED. 2. DUCT SMOKE DETECTOR PROVIDED BY THE FIRE ALARM CONTRACTOR AND INSTALLED BY OTHERS. ALL CONNECTIONS, POWER SUPPLY, AND RELAY SHALL BE BY THE FIRE ALARM CONTRACTOR.

BASE DUCT DETECTOR AS LONG AS THE HVAC DEVICE SHUT DOWN

4. ALL CONNECTIONS SHALL BE BY THE FIRE ALARM CONTRACTOR.

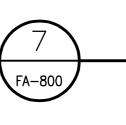
## FIRE ALARM HVAC SHUT DOWN INTERFACE - ADDRESSABLE PANEL NO SCALE FA-800



## **DETAIL NOTES:**

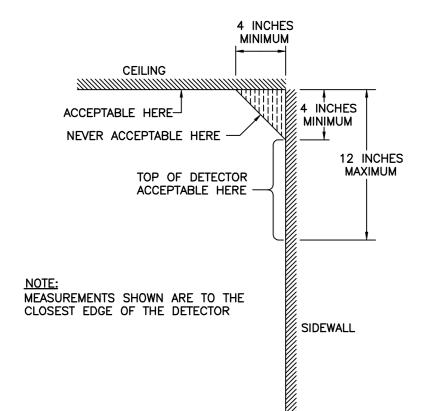
PROVIDE DUCT DETECTORS. SEE MECHANICAL DRAWINGS FOR EXACT LOCATIONS.

PROVIDE CONTROL MODULE, SHUT DOWN RELAY, AND WIRING AS SHOWN IN THE FIRE ALARM HVAC SHUT DOWN INTERFACE DETAIL AND IN THE SPECIFICATIONS. LOCATE RELAY WITHIN 3 FEET OF THE EMERGENCY CONTROL DEVICE. FIRE ALARM DRAWINGS SHOW APPROXIMATE LOCATION. COORDINATE FINAL LOCATION WITH THE MECHANICAL CONTRACTOR.

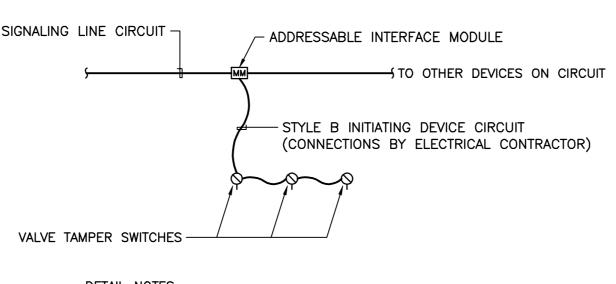


HVAC SHUT DOWN INTERFACE SCHEDULE





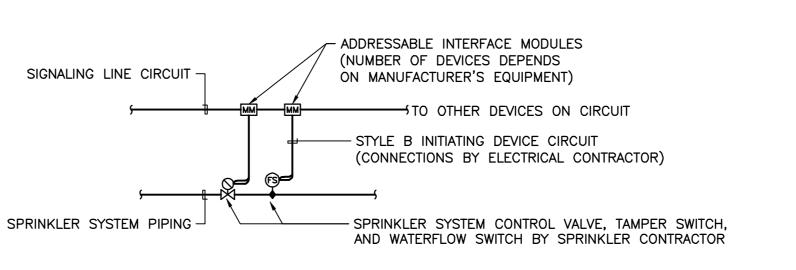
PROPER PLACEMENT FOR DETECTORS DETAIL NO SCALE



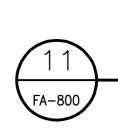
**DETAIL NOTES:** FOLLOW MANUFACTURER'S INSTRUCTIONS FOR CONNECTION

OF MULTIPLE DEVICES TO A SINGLE MONITOR MODULE. 2. A MAXIMUM OF 3 TAMPER SWITCHES MAY BE CONNECTED TO A SINGLE MONITOR MODULE WHEN SERVING THE SAME FUNCTION AND LOCATED IN THE SAME ROOM.

FIRE ALARM TAMPER SWITCH INTERFACE NO SCALE FA-800



FIRE ALARM - SPRINKLER SYSTEM INTERFACE NO SCALE



## FIRE ALARM POST INDICATOR VALVE INTERFACE NO SCALE

BID SET

SCALE: AS NOTED 09-26-07 PROJECT NO. 0611 FA-800

**KEY PLAN** 

**REVISIONS:** 

9-26-07 BID SET

STAMP AND SEAL:

9/25/2007 8:08 AM 0:\06\06230\DRAWINGS\MEP\FA-800-06230.DWG

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MECHANICAL/ELECTRICAL:

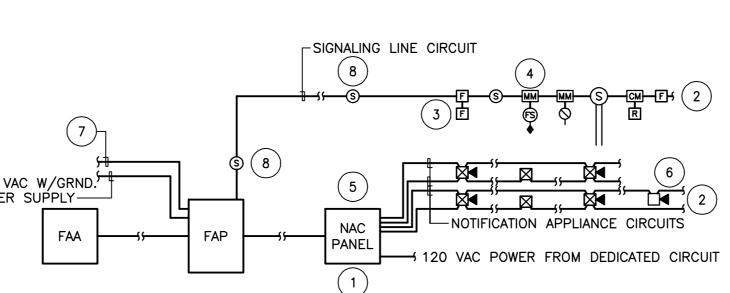
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STRUCTURAL:



CONSTRUED, TO LIMIT THE TYPES OF DEVICES THAT MAY BE USED, PROVIDED THE INTENDED SYSTEM PERFORMANCE IS ACHIEVED AND WITHIN THE UL LISTING.

BOX, AND IS MADE WITH A TERMINAL STRIP. PIG TAILING IS NOT PERMITTED.

SEE THE WIRING SCHEMATICS ON THIS DRAWING FOR ADDITIONAL INFORMATION. (5) PROVIDE REMOTE NOTIFICATION APPLIANCE CIRCUIT POWER BOOSTER PANELS AS

( 6 ) AUDIBLE AND VISIBLE NOTIFICATION APPLIANCES SHALL BE WIRED SEPARATELY OR SEPARATELY CONTROLLED.

## **DETAIL NOTES:**

3. THE ARRANGEMENT SHOWN DOES NOT PROHIBIT THE USE OF A RELAY IS ACCOMPLISHED WITHIN 3 FEET OF THE RELAY.

NO SCALE

- ADDRESSABLE MONITOR MODULE

**DETAIL NOTES:** 

1. POST INDICATOR VALVE PROVIDED BY OTHERS.

2. TAMPER SWITCH PROVIDED BY FIRE PROTECTION CONTRACTOR.

3. CONDUIT WITH PULL STRING FROM 5 FEET OUTSIDE OF THE BUILDING TO THE TAMPER SWITCH PROVIDED BY OTHERS.

4. CONDUIT FROM 5 FEET OUTSIDE THE BUILDING TO THE MONITOR MODULE

BY ELECTRICAL/FIRE ALARM CONTRACTOR.

5. MONITOR MODULE PROVIDED BY ELECTRICAL/FIRE ALARM CONTRACTOR

WIRING FROM MONITOR MODULE TO TAMPER SWITCH AND FINAL CONNECTIONS PROVIDED BY THE ELECTRICAL/FIRE ALARM CONTRACTOR.